

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-9. (Cancelled).

10. (Currently Amended) A radio access system comprising:

means for producing dialing signals comprising a telephone set having a dial pad with keys, wherein a dialing signal is generated each time a key of said dial pad is pushed;

a base station control station in radio communication with said means for producing dialing signals through a base station; and

means for, when a handset of the telephone set is removed from its switch and the keys of the dial pad are pushed while said base station control station or said base station is performing a control access to establish a link, storing a set of dialing signals, and when a dialing signal is generated during the transmission of said stored set of dialing signals, storing the generated dialing signal; and

means for transmitting the dialing signal to said base station control station each time the dialing signal is generated, said means for transmitting, after the link has been established, transmitting the stored dialing signals including said stored set of dialing signals to said base station control station, and after the transmission of all the stored dialing signals to said base

station control station has been completed, transmitting each dialing signal to said base station control station each time a dialing signal is produced,

said base station including means for deciding whether a received dialing signal represents a final digit of a dialed telephone number or not;

~~wherein, when a handset of the telephone set is removed from its switch and the keys of the dial pad are pushed while said base station controller or said base station is performing a control access to establish a link, storing a set of dialing signals and then transmitting the stored set of dialing signals to said base station control station after the link has been established.~~

11. (Cancelled).

12. (Cancelled).

13. (Cancelled).

14. (Cancelled).

15. (Cancelled).

16. (Currently Amended) A radio access method comprising the steps of:
producing a dialing signal each time a key of a dial pad of a telephone set is pushed;

transmitting each dialing signal through a base station to a base station control station each time the dialing signal is produced; and

deciding at said base station whether a received dialing signal represents a final digit of a dialed telephone number or not,

wherein, when a handset of the telephone set is removed from its switch and the keys of the dial pad are pushed while said base station controller or said base station is performing a control access to establish a link, storing a set of dialing signals, ~~and then transmitting the stored set of dialing signals to said base station control station after the link has been established.~~ after the link has been established, transmitting all the stored dialing signals including said stored set of dialing signals to said base station control station, when a dialing signal is generated during the transmission of said stored set of dialing signals, storing the generated dialing signals, and after the transmission has been completed, transmitting each dialing signal to said base station control station each time a dialing signal is produced.

17. (Cancelled).

18. (Previously Presented) The radio access system according to claim 10, wherein said base station opens a communications channel after deciding that a received dialing signal represents the final digit of the dialed telephone number.

19. (Previously Presented) The radio access system according to claim 10, wherein said means for deciding comprises an inter-digit timer and a means for determining that a dialing signal has not been received for a fixed period of time.

20. (Previously Presented) The radio access system according to claim 10, wherein said means for deciding comprises an inter-digit timer and a means for determining that a dialing signal has not been received for a variable period of time.

21. (Previously Presented) The radio access system according to claim 10, wherein said means for deciding comprises a means for counting a fixed number of said dialing signals.

22. (Previously Presented) The radio access system according to claim 10, wherein said means for deciding comprises a means for counting a variable number of said dialing signals.

23. (Previously Presented) The radio access system according to claim 10, wherein said base station and said base station control station are connected to each other in a point-to-point access configuration.

24. (Previously Presented) The radio access system according to claim 10, wherein said base station and said base station control station are connected to each other in a point-to-multipoint access configuration.